

SWBAT

calculate unknowns of
objects in free fall

Sep 4-7:31 AM

Welcome!!!

SECA CP Physics
Monday 30 November 2015



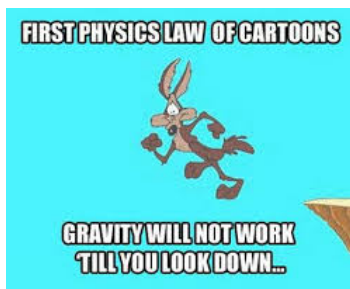
H. Leslie Grebe
Room C-244

- Show me you are passing on SchoolView, or secure phone!
- Gravity packet
- Toy popper

Centering
(jokes)

Opening Activity:

Get ready for Kahoot.it game! 213731



Sep 7-7:04 AM

The Challenge: **By Tue 11/24**

- Finish gravity packet
- Finish Toy Popper questions
- Create a class set of free fall UAM problems with solutions **4 & 1**

The Reward - Ice cream and root beer!

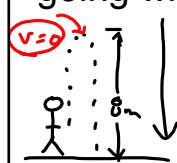
Nov 20-8:27 AM

Unit	Chapters	Date
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REFLECTION ON NOTES	2	TED ED ADAM SAVAGE
HOW FAR FROM BRIDGE	4	"FORT STUEBEN"
REFLECTION ON NOTES	6	HMWK: BASE UNITS
PR: DISTANCE & DISPLACEMENT	8	HMWK: FP DISPLACEMENT
DIAGRAM & STEPS	10	TIMING & ERROR
SUMMARY OF TIMING	12	HOW TO BUILD A TABLE
PR: CONVERTING SOUN.	14	HMWK: FP CONVERSIONS
PR: VELOCITY & SPEED	16	HMWK: FP SPEED & VELOCITY
SPEED WORD PROBLEMS	18	ALGEBRA FOR PHYSICS
LAB JOURNAL 10/7	20	LAB JOURNAL 10/8
..		HMWK: FP GRAPHS POSITION
LAB JOURNAL 10/12	24	EXPERIMENT RUBRIC
26	USE FOR PROJECT	27
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REVIEW FOR TEST	30	BALL ON RAMP
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PRACTICE UAM	34	FP: INTRO TO UAM
FALLING OBJECTS PACKET	36	FP: INTRO TO FREEFALL
MY FREE FALL WORD PROBLEM	38	3-ACT FALLING GLOWSTICK

Sep 5-9:09 AM

Review problem for quiz:

A ball is tossed into the air. At it's peak, it is 8 meters above the ground. How fast is it going when it hits the ground?



$$\Delta y = -8\text{m}$$

$$a = -9.81\text{m/s}^2$$

$$v_i = 0\text{m/s}$$

$$v_f = ?$$

$$v_f^2 = v_i^2 + 2 \cdot a \cdot \Delta y$$

$$v_f^2 = (0\text{m/s})^2 + 2(-9.81\text{m/s}^2)(-8\text{m})$$

$$\sqrt{v_f^2} = \sqrt{156.96}$$

$$v_f = 12.5\text{m/s down}$$

How much time did that take?

Nov 30-9:26 AM